

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	David P. Craig)	
)	Art Unit: Unknown
Serial No.:	Unknown)	
)	
Filed:	Concurrently Herewith)	Examiner: Unknown
)	
For:	Methods and Apparatus)	
	For Estimating Physical)	
	Parameters of Reservoirs)	
	Using Pressure Transient)	
	Fracture Injection/)	
	Falloff Test Analysis)	

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

OTHER PRIOR ART

MAYERHOFER, M.J. AND ECONOMIDES, M.J.: "PERMEABILITY ESTIMATION FROM FRACTURE CALIBRATION TREATMENTS," PAPER SPE 26039, PRESENTED AT THE 1993 WESTERN REGIONAL MEETING, ANCHORAGE, AK;

MAYERHOFER, M.J., EHLIG-ECONOMIDES, C.A. AND ECONOMIDES, M.J.: "PRESSURE-TRANSIENT ANALYSIS OF FRACTURE-CALIBRATION TESTS," JPT, 229;

EHLIG-ECONOMIDES, C.A., FAN, Y., AND ECONOMIDES, M.J.: "INTERPRETATION MODEL FOR FRACTURE CALIBRATION TESTS IN NATURALLY FRACTURED RESERVOIRS," PAPER SPE 28690 PRESENTED AT THE 1994 SPE INTERNATIONAL PETROLEUM CONFERENCE AND EXHIBITION OF MEXICO, VERACRUZ, MEXICO;

GRINGARTEN, A.C., RAMEY, H.J., JR., RAGHAVAN, R.: "UNSTEADY-STATE PRESSURE DISTRIBUTIONS CREATED BY A WELL WITH A SINGLE INFINITE-CONDUCTIVITY VERTICAL FRACTURE," SPEJ, 347;

CINCO-LEY, H. AND SAMANIEGO-V., F.: "TRANSIENT PRESSURE ANALYSIS: FINITE CONDUCTIVITY FRACTURE CASE VERSUS DAMAGE FRACTURE CASE," PAPER SPE 10179, PRESENTED AT THE 1981 SPE ANNUAL TECHNICAL CONFERENCE AND EXHIBITION, SAN ANTONIO, TX;

NOLTE, K.G.: "A GENERAL ANALYSIS OF FRACTURING PRESSURE DECLINE WITH APPLICATION TO THREE MODELS," SPEFE, 571;

VALKÓ, P. AND ECONOMIDES, M.J.: "FLUID-LEAKOFF DELINEATION IN HIGH-PERMEABILITY FRACTURING," SPEPF, 117;

CINCO-LEY, H. AND MENG, H.-Z.: "PRESSURE TRANSIENT ANALYSIS OF WELLS WITH FINITE CONDUCTIVITY VERTICAL FRACTURES IN DUAL POROSITY RESERVOIRS," PAPER SPE 18172 PRESENTED AT THE 1988 SPE ANNUAL TECHNICAL CONFERENCE AND EXHIBITION, HOUSTON, TX.;

WARREN, J.E. AND ROOT, P.J.: "THE BEHAVIOR OF NATURALLY FRACTURED RESERVOIRS," SPEJ, 245;

AL-HUSSAINY, R., RAMEY, H.J., JR., CRAWFORD, P.B.: "THE FLOW OF REAL GASES THROUGH POROUS MEDIA," JPT, 624;

AGARWAL, R.G.: "REAL GAS PSEUDO-TIME – A NEW FUNCTION FOR PRESSURE BUILDUP ANALYSIS OF MHF GAS WELLS," PAPER SPE 8279 PRESENTED AT THE 1979 SPE ANNUAL FALL TECHNICAL CONFERENCE AND EXHIBITION, LAS VEGAS, NV.;

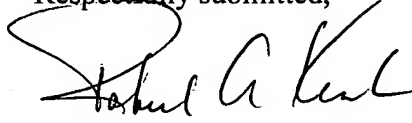
MEUNIER, D.F., KABIR, C.S., AND WITTMAN, M.J.: "GAS WELL TEST ANALYSIS: USE OF NORMALIZED PSEUDOVARIABLES," PEFE, 629;

AZIZ, K., MATTAR, L., KO, S., AND BRAR, G.S.: "USE OF PRESSURE, PRESSURE-SQUARED OR PSEUDO-PRESSURE IN THE ANALYSIS OF TRANSIENT PRESSURE DRAWDOWN DATA FROM GAS WELLS," J. CDN. PETR. TECH., 58; AND

VALKÓ, P. AND ECONOMIDES, M.J.: "LINEAR ELASTICITY, FRACTURE SHAPES, AND INDUCED STRESSES," HYDRAULIC FRACTURE MECHANICS, JOHN WILEY & SONS, NEW YORK CITY, CHAP. 2, 19-51.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert A. Kent". The signature is fluid and cursive, with a large loop at the beginning and a long, sweeping tail.

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